

**INFORMATION
DISCLOSURE
STATEMENT**

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Applicant(s): Orhan Soykan, Sheila Grant, Darcy Lichyt

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US PATENT DOCUMENTS

Examiner Initial	+/*	Document Number	Date	Name of Patentee or Applicant of Cited Document	Class	SubClass	Filing Date If Appropriate
	+	US 2001/025137	27-Sep-01	Webb, et al			
	+	US 2003/113934	19-Jan-03	Kwon			
		US 5,756,682	26-May-98	Wicks et al			
		US 5,795,725	18-Aug-98	Beechler et al			
		US 5,834,220	10-Nov-98	Wicks et al			
		US 5,925,533	20-Jul-99	Doth et al			
		US 5,947,124	07-Sep-99	Beechler et al			
		US 6,174,686	16-Jan-01	Beechler et al			

FOREIGN PATENT DOCUMENTS

Examiner Initial	+/*	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
		WO 00/12028	09-Mar-00	PCT			
	+	WO 02/078532	10-Oct-02	Diametrics Medical			
	+	WO 02/17777	07-Mar-02	Medtronic, Inc.			

OTHER DOCUMENTS (Including Authors, title, Date, Pertinent Papers, etc.)

Examiner Initial	+/*	Document Cite
		, ACC/AHA Guidelines for the Management of Patients with Acute Myocardial Infarction, JACC, Vol 28, No 5 pp 1328-1428, 1996
		Anderson et al, Fiber optic immunochemical sensor for continuous, reversible measurement of phenytoin, Clinical Chemistry, Vol 34, pp 1417-1421, 1988
		Bhatia et al, Use of Thiol-Terminal Silanes and Heterobifunctional Crosslinkers for Immobilization of Antibodies on Silica Surfaces, Anal. Biochem, Vol 178, No 2, pp 408-413, 1989
		Branker et al, Neovascularization of synthetic membranes directed by membrane microarchitecture, Journal of Biomedical Materials Res, Vol 29m pp 1517-1524, 1995

EXAMINER
Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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+ - New Reference not previously cited (available copies included).

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(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce

Braunwald, Heart Disease, W.B. Saunders, Philadelphia, PA 5th Ed., p 1126, 1997

Braunwald, Heart Disease, W.B. Saunders, Philadelphia, PA 5th Ed., pp 1189, 1997

Braunwald, Heart Disease, W.B. Saunders, Philadelphia, PA 5th Ed., p 1296, 1997

Delves, Antibody application: essential techniques, John Wiley & Son Ltd., p 23, 1995

den Braber et al. Orientation of ECM protein deposition, fibroblast cytoskeleton and attachment complex components on silicate microgrooved surfaces, Journal of Biomedical Materials Res. Vol 40, pp 291-300, 1998

Grant et al, Development of dual receptor biosensors: an analysis of FRET pairs, Accepted by Biosensors and Bioelectronics, Oct 2000

Grant et al, Investigation of labelling FRET pairs to biomolecules for the development of dual receptor biosensors, SPIE Proceeding: Chemical and Biomedical Sensing, 4836, pp 143-150, 2000

Grant et al, Investigation of a FRET Immunosensor Technique for the Detection of Troponin T and I, Sensor Letters, 2003

Grant, Sheila A., et al, Investigation of a FRET Immunosensor Technique for the Detection of Cardiac Troponin T and I, American Scientific Publishers, Vol 2, pp 58-63, 2004

Harris, Clinical Chemistry, Williams & Wilkins, Malvern, PA 4th ED., pp 289-298

Harlow, Handling Antibodies A Laboratory Manual, Cold Spring Harbor Laboratory Press, p 85, 1998

Hartmann, et al, Biochemical markers in the diagnosis of coronary artery disease, European Heart Journal, Vol 19 No 2-7, 1998

Hogan et al, Medicare Beneficiaries Costs and Use of Care in the Last Year of Life, Medicare Payment Advisory Committee, Final Report, May 1, 2006, Table 4-3 page 34

Ko et al, Development of a novel FRET method for detection of Listeria or Salmonella, Sensors and Actuators B 96, pp 372-378, 2003

Konkiewicz et al, Troponin T and creatinine kinase isoenzyme MB mass in the diagnosis of myocardial infarction, Ann. Med., Vol 30, pp 488-496, 1998

Kroger et al, Surface investigations on the development of a direct optical immunosensor, Biosensors and Bioelectronics, Vol 13, pp 1141-1147, 1998

Lichlyter et al, Development of a novel FRET immunosensor technique, Biosensors and Bioelectronics, Vol 19 pp 219-226, 2003

Lichlyter et al, FRET based Sensors Using Antibodies for the Detection of Early Markers of Infarction, Michigan Technological University, 2001

EXAMINER

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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+ - New Reference not previously cited (available copies included).

Based on Form PTO-FB-A520
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce

Lichlyter, Darcy J., et al, Development of a novel FRET immunosensor technique, Biosensors and Bioelectronics, Vol 19, pp 219-226, 2003

Mary Pierce, Darcy Lichlyter and Sheila Grant, Investigation of a FRET Based Sensor Technique for the Detection of Human Cardiac Troponin T and Troponin I, Missouri Lifesciences Week 2003, University of Missouri - Columbia, MO March 3-7, 2003

Mary Pierce, Darcy Lichlyter and Sheila Grant, Engineering a biosensor to detect cardiac Troponin I, Biomedical Engineering Society, Nashville, TN October 1-4, 2003

McShane et al, Glucose monitoring using implanted fluorescent microspheres, IEEE-EMBS Magazine, Vol 19, No 6, pp 36-45, 2000

Pestilli et al, Comparison of the Troponin-T and Troponin-I ELISA tests, as measured by Microplate Immunoassay Techniques in Diagnosing Acute Myocardial Infarction, Europe Journal Clinical Chemistry Biochemistry, Vol 35 No 10 pp 767-774, 1997

Pierce et al, Development of a FRET based fiber-optic biosensor for early detection of myocardial infarction, Missouri Lifesciences Week 2004, University of Missouri - Columbia MO, April 5-9, 2004

The et al, Conjugation of fluorescein isothiocyanate to antibodies II. A reproducible method, Immunology, Vol 18, No 6, pp 875-881, 1970

EXAMINER

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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